

Listing of Claims

Claim 1 (previously amended): An isolated nucleic acid molecule encoding a tocopherol cyclase.

Claims 2-9 (withdrawn)

Claim 10 (previously amended): The isolated nucleic acid molecule of claim 1, wherein said tocopherol cyclase is isolated from a prokaryotic cell source.

Claims 11-12 (cancelled)

Claims 13-41 (withdrawn)

Claim 42 (cancelled)

Claim 43 (previously added): An isolated nucleic acid molecule comprising a nucleic acid sequence which is at least 95% identical over its entire length to the nucleic acid of SEQ ID NO: 38.

Claim 44 (previously added): The isolated nucleic acid molecule of Claim 43, wherein said nucleic acid molecule encodes a polypeptide comprising the amino acid sequence of SEQ ID NO: 39.

Claim 45 (previously added): An isolated nucleic acid molecule which encodes a polypeptide comprising an amino acid sequence which is at least 90% identical over its entire length to the amino acid sequence of SEQ ID NO: 39.

Claim 46 (re-presented—formerly dependent claim No. 11): An isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO: 38 wherein such nucleotide sequence encodes a tocopherol cyclase isolated from a prokaryotic cell source.

Claim 47 (re-presented—formerly dependent claim No. 12): An isolated nucleic acid molecule encoding a tocopherol cyclase having an amino acid sequence of SEQ ID NO: 39, wherein said tocopherol cyclase is isolated from a prokaryotic cell source.

Claim 48 (re-presented—formerly dependent claim No. 42): An isolated nucleic acid molecule encoding a tocopherol cyclase isolated from a *Synechocystis* sp.